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## AMENDMENTS TO THE SPECIFICATION

### In the Specification:

Please replace paragraph [003] of the Application as filed with the following amended paragraph:

[003] A MIMO system may use orthogonal frequency division multiplexing (OFDM) systems coding for multiplexing or diversity evenly on the entire OFDM sub-carriers symbol without any discrimination. A failure to multiplex in at least some bits of the OFDM sub-carriers symbol ~~-sub-carriers OFDM symbol~~ may cause ~~the entire~~ all bits of the OFDM sub-carriers symbol ~~-symbol~~ to be in error

Please replace paragraph [017] of the Application as filed with the following amended paragraph:

[0017] Turning to FIG. 2, a block diagram of a transceiver 200 according to exemplary embodiments of the present invention is shown. Although the scope of the present invention is not limited in this respect, transceiver 200 may include MIMO system 210 and antennas 220 and 230. Although the scope of the present invention is not limited in this respect, exemplary MIMO system 210 may include a transmitter system 240 and receivers (RX) 250, 260. In some embodiments of the invention, at least ~~[[on]]~~ one of the receivers 250, 260 may include carrier channel state information (CSI) analyzer 255, if desired.